



Job description

Haere mai

This job description is your go-to place for all the ins and outs of this role at Internal Affairs

Principal Architect, Systems of Record

Three Waters Programme, National Transition Unit - Local Government Branch

In July 2020, the Government launched the Three Waters Reform Programme – a three-year programme with the ultimate objective of improving the health and wellbeing of New Zealanders.

Currently over 70 different councils own and operate most of the drinking water, wastewater and stormwater services across New Zealand.

Local government is facing urgent challenges in the provision of these services including funding infrastructure deficits, complying with safety standards and environmental expectations, building resilience into three waters networks to deal with natural hazards and climate change, and supporting population growth.

The Government has committed to comprehensive, system-wide reform to achieve lasting benefits for our communities and the environment.

The Three Waters Programme National Transition Unit (NTU) is responsible for the establishment of, and transition to, a new service delivery model. Its role is to ensure that, on 1 July 2024, four new water service entities (WSEs) are ready to assume responsibility for three waters-related infrastructure and service delivery.

The NTU objectives are to:

- advance the Government's reform objectives with the sector in a way that supports successful adoption of the reform with stakeholders,
- ensure reform objectives are supported by a smooth transition and implementation approach that is efficient, effective and minimises disruption to communities and consumers, and
- leverage the transition for strategic transformation opportunities.

Being part of Three Waters Reform in New Zealand is a once in a lifetime opportunity. We are transforming the water sector (drinking water, wastewater and stormwater) to ultimately improve the health and wellbeing of New Zealanders. This is your opportunity to be part of an innovative and successful delivery team.



Te Tari Taiwhenua
Internal Affairs

Position Outline

This position sits within the Digital Enablement function of the NTU. The Digital Enablement function is the driving force of the NTUs establishment of digital capability. The function is overseeing the establishment of the WSE's Data and Digital landscape and transfer of activity from the NTU to the WSE's. The overall goal is to ensure the water service entities are setup for success from day one, 1 July 2024.

The primary responsibility of the **Principal Architect (PA) Systems of Record (SoR)** is to oversee the solution architecture process for the Systems of Record delivery. This role will work with the to develop the Systems of Record architecture, provide technical design oversight and will manage this work throughout the development lifecycle helping to ensure successful delivery of WSE architecture.

The PA will lead the translation of business strategy, plans and requirements into technology roadmaps and blueprints. This role will provide design assurance, review technical designs, and architectures, to ensure they align to SoR and border WSE architecture and business needs. Relationship management is critical as this role will collaborate across Digital Enablement and vendors throughout the project lifecycle.

This role is also expected to connect and integrate across the wider branch and the Department, and all positions have a responsibility to support the team in the delivery of the four new water service entities by 1 July 2024.

The position accountabilities may change over time to accommodate programme scope and timeframes.

- **Reporting to:** Chief Enterprise Architect, Digital Enablement, Three Waters Programme National Transition Unit
- **Location:** Flexible
- **Salary range:** TBC

What we do matters – our purpose

Our purpose is to serve and connect people, communities and government to build a safe, prosperous and respected nation.

In other words, it's all about helping to make New Zealand better for New Zealanders.

How we do things around here – our principles



We make it easy, we make it work

- Customer centred
- Make things even better

We're stronger together

- Work as a team
- Value each other

We take pride in what we do

- Make a positive difference
 - Strive for excellence
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Working effectively with Māori

Te Aka Taiwhenua – our Māori Strategic Framework – enables us to work effectively with Māori. Te Aka Taiwhenua is underpinned by our mātāpono – Kotahitanga, Manaakitanga, Whānaungatanga, He Tāngata.

As DIA is an agent of the Crown, Te Tiriti o Waitangi/The Treaty of Waitangi is important to everything we say or do. We recognise it as an enduring document central to New Zealand's past, present and future. Building and maintaining meaningful relationships is important to work effectively with Māori, stakeholders and other agencies. We accept our privileged role and responsibility of holding and protecting the Treaty of Waitangi / Te Tiriti o Waitangi.

Spirit of service

Ka mahitahi mātou o te ratonga tūmatanui kia hei painga mō ngā tāngata o Aotearoa i āiane, ā, hei ngā rā ki tua hoki. He kawenga tino whaitake tā mātou hei tautoko i te Karauna i runga i āna hononga ki a ngāi Māori i raro i te Tiriti o Waitangi. Ka tautoko mātou i te kāwanatanga manapori. Ka whakakotahingia mātou e te wairua whakarato ki ō mātou hapori, ā, e arahina ana mātou e ngā mātāpono me ngā tikanga matua o te ratonga tūmatanui i roto i ā mātou mahi.

In the public service we work collectively to make a meaningful difference for New Zealanders now and in the future. We have an important role in supporting the Crown in its relationships with Māori under the Treaty of Waitangi. We support democratic government. We are unified by a spirit of service to our communities and guided by the core principles and values of the public service in our work.

What you will do

Leadership, strategy, design and solutions

- Provides leadership, analysis and design related to the development of the WSE solution architecture.
- Actively supports the development of teams by being available to clarify and prioritise architectural decisions.
- Ensures that overall solution architecture aligns to the technology design principles and support the WSE in achieving business outcomes.
- Develop solution architectures within the technological, financial, and operational constraints of the project, and that meets quality standards for performance, reliability and user experience - these may vary in level of detail from enterprise-level system integrations to designing interactions between software components
- Provide technical guidance and leadership to the delivery teams implementing your solution to ensure that it realises your architectural vision, is delivered on schedule, and adheres to quality standards
- Plan, coordinate, architect and manage across a portfolio of projects related to the integration of software, applications, and third-party solutions to meet business requirements
- Translate business strategy, plans and requirements into technology roadmaps and blueprints
- Provide information design guidance to wider project teams to ensure that business objectives are met within project and other change initiatives
- Select systems and capabilities to meet business requirements
- Develop and maintain an application integration architecture blueprint for the SoR domain
- Provide design assurance and review of technical designs
- Work with the wider architecture team to provide Enterprise Architecture oversight of the Three Waters Programme.

Relationship management

- Perform ongoing stakeholder management and consultation to ensure delivery teams remain aligned with your solution throughout delivery
 - Develop a strong understanding of WSE needs that includes drivers, strategies, their business models, trends, customers, and their key strategic partner relationships
 - Partner with WSE stakeholders to ensure the business architecture changes required to deliver business outcomes are clearly understood
 - Collaborate with architecture, programme and project teams to ensure continuity across the Three Waters Programme
 - Troubleshoot issues, working collaboratively on problems and drive resolution
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Innovation

- Analyse industry, technology, and market trends to determine their potential impacts on the enterprise's strategy and architecture requirements
- Evaluate new techniques for improved functionality and their potential application to business outcomes and strategies
- Actively identify and champion innovation and new approaches involve external parties where needed to further develop and eventually implement innovation supporting the business strategy

Health and safety

- Work safely and take responsibility for keeping self and colleagues free from harm
 - Report all incidents and hazards promptly
 - Know what to do in the event of an emergency
 - Cooperate in implementing return to work plans
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Who you will work with to get the job done

Internal	Head of Digital Enablement & Customer
	Digital Enablement Leadership team and staff
	NTU Leadership Team
	Three Waters, National Transition Unit Staff
	Relevant staff across Three Waters Reform, the Local Government Branch and the wider DIA
External	Other organisations involved in the Three Waters work programmes
	Local authorities and agencies, professional associations, and other key stakeholders
	IT Vendors and Suppliers

Your delegations

Human Resources and financial delegations	Z
Direct reports	None

What you will bring

Experience:

- 10+ years of solution architecture particularly in the government sector, commercial environment, or other service orientated organisation
- Demonstrated ability to work across large programmes of work and provide guidance and direction to other architects
- Proficient in architecture frameworks and modelling and architecting complex solutions using recognised methodologies

What you will bring

- In depth experience in utilising software architectural principles and how to apply them in real world enterprise scenarios
- Proficiency in producing software design and architecture diagrams
- A software development background
- In-depth experience with ERP solutions, Cloud, M365
- Experience in designing solutions for enterprise customers on top of a core product platform
- Experience managing a multi-vendor environment

Knowledge:

- Knowledge of integration best practices
- Understanding of business's needs, system functionality and business processes
- Advanced architecture strategy, governance and practice management
- In-depth knowledge of IT strategy and roadmap planning and development, and architectural models and processes
- Understanding of Treaty Principles and the Crown's obligations to Māori

Skills:

- Exceptional technical, business and communication skills
- Ability to quickly acquire a deep understanding of the nuances of the work programme, to time engagement right, influence thinking and communicate complex and technical concepts to different audiences
- Ability to apply abstract concepts in innovative ways to solve business and technology problems
- Excellent project management skills, including experience in delivering to projects, achieving effective outcomes in situations where there are diverse interests
- The ability to think strategically and conceptualise complex ideas
- Excellent influencing and negotiation skills
- Ability to work in an agile environment and deliver under pressure
- Proactive, driven and outcome focussed

Other requirements:

- Relevant tertiary or industry qualifications in Information Systems or Computer Science
- Will be required to pass satisfactory background checks